

## **Genotoxicological assessment of waters from kazanka river (Tatarstan, Russia)**

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### **Abstract**

The waters of Kazanka according to Allium-test were characterized by a pronounced mitotoxic activity. A survey of cytogenetic analysis had the highest mutagenic potential of water at some stations. The most common genetic defect was the formation of micronuclei. Allium-test showed a high sensitivity and can be recommended as a tool for assessing the risk of mutagenic treatment of other water bodies of Kazan and Tatarstan. © IDOSI Publications, 2013.

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### **Keywords**

Genetic aberrations, Genotoxicity, Kazanka, Russia, Tatarstan, Waters